

DOANE LAKE AREA PROJECTS EPA AND DEQ, 1/4-LY STATUS MEETING

SEPTEMBER XX, 2009

RHONE POULENC SITE STATUS

Source Control

SCE Report- Second Draft Source Control Evaluation (SCE) report expected December 2009.

Groundwater

- Fill/Alluvial water-bearing zone (WBZ)
 - Shallow Plant Groundwater Plume – Groundwater Extraction Treatment System (GETS) Interim Remedial Action (IRAM). System operating since 1983 and expanded in 2005.
 - Shallow Offsite Groundwater Plume – Outfall 22B IRAM. Lining of entire Outfall 22B stormwater system to be completed fall 2009.
 - Arkema Lots 1 and 2 – Additional sampling to define extents of potential dioxin/furan and pesticide plumes. Groundwater sampling to be completed summer 2009.
- Deep Gravel /Basalt (WBZ)
 - Deep Gravel/Basalt Plume – North Front Avenue (NFA) IRAM. Five extraction wells installed. Long-term pumping test to start summer 2009.
 - Basalt Zone Characterization – Five deep basalt borings completed. Two additional Arkema Lots 1 and 2 borings to be completed summer 2009.

Stormwater – Plant area stormwater contained and treated at onsite water treatment plant. Full evaluation of stormwater pathway to be presented in Source Control Evaluation.

Erodible Soils

- Uplands – None
- Riverbank – Historical Drainage Ditch bank to be evaluated as part of Source Control Evaluation.

Remedial Investigation/Baseline Human Health & Ecological Risk Assessment

RI – Draft RI report expected March 2010.

IRAMs/ICSMs –

- Facilities Structures IRAM – demolition of subsurface utilities and foundations and temporary capping of insecticide and herbicide areas. Completed 2004.
- GETS IRAM – expansion of herbicide area pump and treat system. Completed 2005.
- West Doane Lake IRAM – stabilization and capping of West Doane Lake sediments. To start Spring 2010.
- City Outfall 22B Grouting ISCM – flow reduction of 50%. Dry whether flow and COIs still present. Completed 2007.
- City Outfall 22B Stormwater System and Lateral Lining ISCM – cleanout to started August 12, 2009. Lining to be completed by fall 2009.
- NFA Enhanced Bioremediation/In-situ Chemical Oxidation ISCM Pilot Study – failed 2007.
- NFA Pumping and Treat ISCM – pilot study to begin summer 2009 following resolution of access issues.
- North Doane Lake IRAM – DEQ requested revised risk assessment. Following approval of risk assessments a focused feasibility study to be developed.

HH/BRA- review complete, DEQ will request the document be revised and resubmitted as part of RI report.

FS- not yet initiated although meetings have been convened to discuss site-wide remedy. Scope of FS likely to include combinations of soil removal; NAPL zone containment wall and stabilization technologies; and groundwater hydraulic control, containment, treatment, and discharge; site capping.